

Title (en)
ENERGY ABSORBING SYSTEM FOR FIXED ROADSIDE HAZARDS

Title (de)
AUFPRALLENERGIEABSORBTIONSANLAGE FÜR AUFPRALL GEFÄHRDETER OBJEKTE ENTLANG DER STRASSE

Title (fr)
SYSTEME AMORTISSEUR POUR OBSTACLES ROUTIERS FIXES

Publication
EP 1112412 A1 20010704 (EN)

Application
EP 99942187 A 19990812

Priority
• US 9918509 W 19990812
• US 9653898 P 19980813
• US 35606099 A 19990719

Abstract (en)
[origin: WO0009813A1] An energy absorbing system with one or more energy absorbing assemblies is provided to reduce or eliminate the severity of a collision between a moving motor vehicle and a roadside hazard. The energy absorbing system may be installed adjacent to a roadside hazard such as the end of a concrete barrier facing oncoming traffic. The energy absorbing system preferably includes at least one energy absorbing element. A sled assembly is also provided with a cutter plate such that a collision by the motor vehicle with one end of the sled assembly will result in the cutter plate tearing or ripping the energy absorbing element to dissipate energy from the motor vehicle collision. The configuration and number of energy absorbing assemblies and the configuration and number of energy absorbing elements may be varied depending upon the intended application for the resulting energy absorbing system.

IPC 1-7
E01F 15/14

IPC 8 full level
B60R 19/00 (2006.01); **E01F 15/14** (2006.01); **H02H 9/04** (2006.01)

CPC (source: EP US)
B60R 19/00 (2013.01 - EP US); **E01F 15/146** (2013.01 - EP US); **H02H 9/042** (2013.01 - EP US); **B60R 2019/005** (2013.01 - EP US)

Citation (search report)
See references of WO 0009813A1

Cited by
CN111910989A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0009813 A1 20000224; AT E376099 T1 20071115; AU 5562099 A 20000306; AU 760518 B2 20030515; BR 9912955 A 20010925; BR 9912955 B1 20090113; DE 69937360 D1 20071129; DE 69937360 T2 20080717; DK 1112412 T3 20080303; EP 1112412 A1 20010704; EP 1112412 B1 20071017; ES 2296404 T3 20080416; NZ 510259 A 20040528; US 2001014254 A1 20010816; US 2002090260 A9 20020711; US 6293727 B1 20010925; US 6536985 B2 20030325

DOCDB simple family (application)
US 9918509 W 19990812; AT 99942187 T 19990812; AU 5562099 A 19990812; BR 9912955 A 19990812; DE 69937360 T 19990812; DK 99942187 T 19990812; EP 99942187 A 19990812; ES 99942187 T 19990812; NZ 51025999 A 19990812; US 35606099 A 19990719; US 83216201 A 20010409